

ANNUAL REPORT

of the

Medical Officer of Health

for 1971



TENDRING RURAL DISTRICT COUNCIL

ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH FOR 1971

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Vice-Chairman:

D. H. Crosfield, J. P.

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R. A. STENHOUSE, L.M.S.S.A.(Lond.), D.P.H., (R.C.P.& S.,) F.R.I.P.H.H.

Medical Officer of Health to the Urban Districts of Clacton, Brightlingsea, Frinton and Walton, the Rural District of Tendring and Assistant County Medical Officer.

- J. SMITH, M.A.P.H.I., M.R.S.H., Cert. I. Housing.
 Chief Public Health Inspector.
- T. M. WHITE, M.A.P.H.I., Cert. R.S.H.,

 Deputy Chief Public Health Inspector.
- J. McLELLAN, M.A.P.H.I., Cert. R.S.A. (Scotland) Cert Meat and Foods. (Scotland).

Additional Public Health Inspector.

M. APPLEBY, Dip. of P.H.I.E.B.,

Additional Public Health Inspector.

Miss V. G. HENAGULPH, Clerk to the Medical Officer of Health.

R. G. DEBNAM, Clerk to the Chief Public Health Inspector.

Miss J. BUTTERY.

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Mr. Chairman, Ladies and Gentlemen,

I have pleasure in presenting the Annual Report on the state of the Public Health in the Rural District of Tendring for the year 1971.

The birth rate shows a decline this year, from 19.0 to 17.5, this represents a decrease in the number of live births by 10, and an increase in the estimated mid-year population by 1720, the total estimated population for England and Wales being 48,815,000. The number of illegitimate births has decreased from 27 last year to 21.

The corrected death rate at 9.8 once again shows a decrease and compares favourably with the national figure of 11.6. The infant mortality rate likewise has decreased this year from 19.0 to 15.0 per 1,000 live births. The national figure remains at 18 per thousand live births.

There were notified 78 cases of infectious disease compared with 175 last year, including only 53 cases of measles. No cases of food poisoning were recorded. There was one death from tuberculosis, a male aged 57.

Consideration of the table showing causes of death indicates that 87 persons died from cancer, a slight increase from last year, including 17 terminal cases of lung cancer. Heart failure due to degenerative changes resulting from coronary disease remains the commonest cause of death with 111 notifications.

Attendances by children at the County Council Clinics for immunisation against whooping cough, diphtheria, tetanus, rubella, measles and poliomyelitis amounted to 1,548, and 216 were vaccinated against smallpox. A table giving further information is shown elsewhere in the report.

The water supply remained satisfactory during the period under review. The total amount supplied by the Tendring Hundred Waterworks Company totalled over 386 million gallons, compared with 362 million gallons in 1970 and 314 million in 1969. These figures show the rapid increase in consumption over recent years, the average daily requirement for 1971 being now over a million gallons. A detailed

account including chemical and bacteriological analyses appears elsewhere in the report.

The first phase of the Northern Area Sewerage Scheme is progressing with the advancement of the new intercepting sewer and the extension to the parish of Bradfield, both of which should be completed by the end of next year. 6,052 loads from cesspools were removed during the year.

The improvement and modernization of older houses is being continued, 67 houses were improved with the standard grants and 20 discretionary grants were made. 38 unfit houses were demolished and closing orders made on 18 houses. A considerable amount of repair work was carried out with the help of improvement grants. Twenty-four flats for elderly persons have been opened in Thorpe-le-Soken and a wardened house for 30 aged persons has been opened in Weeley. 39 Council houses and 273 private houses have been erected.

The population according to the Registrar General amounts to 30,220 for this year, but during the summer season this figure is exceeded by probably 15,000 or more, due to the occupation some 5,000 caravans and 700 chalets. 89 residential caravans are occupied all the year round.

The Weeley Pop Festival planned for 10,000 over the August Bank holiday became a three day event attended by an incalculable number of people estimated by some at between hundred and hundred and thirty thousand. Fortunately the weather remained fine and problems of water supply, sanitation, food hygiene and refuse collection were kept under control, although facilities provided by the organizers were generally insufficient. Thanks are due to the continous supervision of all vital services by the Public Health Staff throughout the prolonged period of the festival and afterwards. Provision of medical services was generally adequate. At the medical centre, a rota system covered the four day period of the festival and medical staff available during this time were eleven local General Practitioners, two senior Medical Officers of the St. John's Ambulance Association, one Dentist and fifteen final year Medical Students from London Teaching Hospitals, together with supporting staff of medical orderlies from the local first aid organisations and clerial staff.

A total of 1,700 persons were recorded as receiving medical attention during the festival period, the majority of complaints being headaches, minor injuries, indigestion, colds, diarrhoea and sickness, dental cases, wasps stings and burns in that order of frequency. A lesser number of other conditions were also dealt with and 31 cases were admitted to hospital

which included nine head injuries, five cases of burns and seven persons suffering from the effects of drug-taking, thirty nine persons having been treated at the medical centre for this latter condition, but there appears to be no record of the number requiring assistance at the 'Release' Organisation's Centre which was situated apart from the medical centre.

No cases of venereal disease were recorded but this would not have been likely owing to several factors which includes the incubation period, in fact no netifiable infectious disease was reported.

Much has been said and written about Pop Festivals. The Medical Officer of Health after the Isle of Wight Festival of 1970 in his report on conditions at East Afton fourteen days after the event said that "Conditions here remain as the most damning indictment of a so-called civilised and free society too careless to observe the ordinary standards of decent community life and too thoughtless ever to think of clearing away their improvised hovels and debris before departing from the island." On the other hand one of the medical advisers to the Hollywood Festival at Stoke-on-Trent after the event referred to the natural dignity, grace and happiness of the pop fans which is difficult to credit unless it is seen.

From the medical point of view the greatest risk at Pop Festivals would seem to be the outbreak of Food Poisoning following overloading of the catering arrangements. It is vital to maintain an adequate supply of fresh water and adequate provisions for the removal of waste material of all kinds from the catering areas, and at the Weeley Pop Festival these vital considerations were kept in mind throughout by the Public Health Department Staff, which no doubt avoided the occurrence of any serious outbreak of gastro-intestinal disease.

The lesson to be learnt is that Pop Festivals must be held on properly prepared sites fully equipped to provide for the vast and incalculable numbers that attend these functions.

In conclusion, I would like to express my gratitude to the Council, the Public Health Committee, and Officers of the Council for their co-operation during the year, and to the Staff of the Public Health Department for their work.

I am, Mr. Chairman, Ladies and Gentlemen,
Your obedient Servant,
R. A. STENHOUSE,
Medical Officer of Health.

STATISTICAL SUMMARY

Area in acres Population:	65,884
1971 Registrar General's Estimate	30,220
1971 Census (Prelim.) Density of population per acre	30,311
Rateable value	0.45 £939,596
Sum represented by penny rate (1971-72)	£9,238.14
Number of inhabited dwellings (approx.)	11,500
Census	8,335
Total live births	456
Live birth rate (per 1,000 home population) Live birth rate (corrected)	
Birth rate (England and Wales)	17.5 16.0
Total still births	4
Total live and still births	458
Still birth rate (per 1,000 total live and s	The state of the s
Still birth rate (England and Wales)	12.0
Total Deaths	403
Death rate (per 1,000 home population) Death rate (corrected)	13.3
Death rate (England and Wales)	11.6
Death of Infants under one year of age	7
Infant mortality rate (per 1,000 live births	15.0
Infant mortality rate (England and Wales)	18.0
Infant mortality rate - legitimate	14.0
Infant mortality rate - illegitimate Neo-natal mortality rate (Deaths under 4 wee	48.0
per 1,000 live births)	13.0
Early neo-natal mortality rate (Deaths under	
age per 1,000 total births)	
Peri-natal mortality rate (Deaths and still)	`
l week of age per 1,000 total	
Number of illegitimate births	21
Deaths from diarrhoea (under 2 years of age) Maternal deaths (included abortion)	_
Cancer	87
Total deaths due to lung cancer	17
Tuberculosis	1

LIVE BIRTHS DURING 1971.

	Male	Female	Total
Legitimate	231	204	435
Illegitimate	9	12	21

The principal causes of, and various ages at, death are given in the following tables:-

CAUSES OF DEATH DURING 1971

Cause of Death	Male	Female	Total
Cancer Diabetes Mellitus Avitaminoses, etc. Other Endocrine etc. Diseases Anaemias Multiple Sclerosis Other Diseases of Nervous System Chronic Rheumatic Heart Disease Hypertensive Disease Other forms of Heart Disease Cerebrovasular Disease Other Diseases of Circulatory System Pneumonia Bronchitis and Emphysema Asthma Other Diseases of Respiratory System Peptic Ulcer Appendicitis Intestinal Obstruction and Hernia Other Diseases of Digestive System Nephritis and Nephrosis Hyperplasia of Frostate Other Diseases, Genito-Skeletal System Diseases of Musculo-Skeletal System Congenital Anomalies Birth Injury, Difficult Labour, etc Other Causes of Perinatal Mortality Symptoms and Ill Defined Conditions Motor Vehicle Accidents All Other external Causes	1 43 2 - 1 3 66 10 28 13 9 8 - 2 - 1 1 2 3 1 2 3 1 2 3 1 2	- 44 1 1 1 1 3 3 3 45 7 45 9 9 4 2 1 1 1 1 - 1 1 - 1 1 1 1	1 87 3 1 1 1 6 3 6 111 7 73 22 18 12 2 1 3 1 1 4 2 2 7 2 2 4 3 1 1 1 4 2 2 7 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4
			T > J

DEATHS AT VARIOUS AGES DURING 1971

TT 3	4 7		
unaer	4 week	S	6
4 week	ks and	under year	s l
1	-	4 years	2
5	_]	14 years	1
15	- 2	24 years	1
25	- 3	34 years	2
35	- 4	44 years	7
45	[54 years	19
55	- 6	54 years	47
65	_ [74 years	117
75 and	over		200
,			
			403

PREVENTION AND CONTROL OF INFECTIOUS AND OTHER DISEASES

The following figures show the number of infectious diseases which were notified in the district during 1971:-

Disease	Cases Notified	Cases at Hospital	Cases at Home	Cases Confirmed	Deaths
Measles	53	-	53	53	-
Scarlet Fever	10	-	10	10	
Dysentery	2	-	2	2	-
Whooping Cough	13	-	13	13	-
Totals:	78	-	78	78	-

TUBERCULOSIS 1971

The age groups of the one case notified and the one death from Tuberculosis during the year are given in the table below:-

Age Groups in Years	New Cases Respiratory M F	Deaths Respiratory M F
35 – 44 years	1 -	
55 - 64 years		1 -
Totals:	1 -	1 -

Notifications and Deaths from Tuberculosis since 1964:

Year	New Cases	<u>Deaths</u>
1964 1965	. 4 . 8	- - -
1966 1967 1968	1 4 3	1 1 1
1969 1970 1971	2 1 1	. 1

The following figures give the number of cases on the register at the end of 1971:-

Respiratory Male Respiratory Female	48 30	Non-Respiratory Male Non-Respiratory Female	5 7
	etumbro.		
	78		12
	PROGRAMM		

Total: 90.

IMMUNISATION IN 1971

	Year of Birth	Primary Course	Re-inforcing Injections
TRIPLE	1968-1971 1964-1967 Others under age 16	382 9 -	26 . 91 9
DIP/TET	1968-1971 1964-1967 Others under age 16	6 13 8	5 255 97
DIPHTHERIA	Others under age 16	-	3
PERTUSSIS		-	-
TETANUS	1968-1971 1964-1967 Others under age 16	1 - 14	l 6 (+lhosp) 116 (+3hosp)
POLIOMYELITIS	1968-1971 1964-1967 Others under age 16	409 29 14	30 339 194
MEASLES	1968-1971 1964-1967 Others under age 16	305 57 8	-
RUBELLA	Others under age 16	293	
SMALLPOX VACCINA	TION	Primary	Re-vaccination
	Age: 0 - 5 yrs	175	-
	5 - 15 yrs	13	28

SANITARY CIRCUMSTANCES OF THE AREA

WATER SUPPLIES

The Tendring Hundred Waterworks Company supply and distribute all the mains water in the district. The following information about the Waterworks Company's Supply has been given by Mr. J. A. W. Rayner, Chief Engineer of the Company.

"Practically the whole of the water supplied to the district was obtained from our Dedham Fumping Station, with some assistance from the Company's subsidiary sources at Lawford, Great Bentley, Stratford-St-Mary and Higham.

The estimated quantity of water supplied to the area of the Tendring Rural District, in the twelve months ended 31st December 1971, amounted to 386.117 million gallons; an average daily consumption of 1.058 million gallons.

The total quantity taken for domestic purposes during the year was 266.724 million gallons; an average daily consumption of 0.731 million gallons. The total amount taken through trade meters was 119.393 million gallons; an average daily consumption of 0.327 million gallons.

The total number of connections (domestic and Trade) made in the year in the Rural District, amounted to 336.

Approximately 2,296 yards of new main were laid in the Tendring Rural District during the year, this includes 838 yards of 6" main relaid in Station Road, Thorpe.

With regard to the information required under items (a) to (e) this is as follows:

(a) The supply of water to the district has been satisfactorily maintained both in quality and in quantity.

Samples of raw water are taken monthly; these are generally for chemical analysis only.

Monthly samples at each station are taken after aeration and chlorination and for these both the chemical and bacteriological results are given in the analyses.

In addition to the above, samples are also taken bimonthly of all water stored in the Company's reservoirs, tanks and water towers. These samples are submitted for bacteriological examination only.

(b) There is no evidence of plumbo-solvent action.

- (c) At the pumping stations where continuous chlorination is carried out, a test of the chlorine residual is made once per shift (i.e. every eight hours); a residual of 0.2 p.p.m. of chlorine is maintained.
 - If samples taken from storage show high bacterial counts, then a further check sample is taken for presumptive test, the results of which are known within 48 hours. If the high count is confirmed the storage reservoir etc. is taken out of service while the contents are thoroughly sterilized with a fairly high dose of chlorine.
- (d) The population supplied is approximately 30,000 and there are 214 standpipes in use supplying domestic properties and caravan sites, and possibly a further 500 or so standpipes in use as subsidiary supply points on commercial sites, domestic properties as garden watering points and in farm properties for agricultural use.
- (e) The fluoride content of the water supplied in the Tendring Rural District Council area is of the order of 1.0 p.p.m. to 1.5 p.p.m.

PUBLIC WATER MAINS

Dwelling houses connected to public water mains

<u>Parish</u>	Number of houses	Population Census 1961 (Prelim)1971
Alresford Ardleigh Beaumont Bradfield Elmstead Frating Great Bentley Little Bentley Great Bromley Little Clacton Lawford Manningtree Mistley Great Oakley Little Oakley Tendring Thorpe-le-Soken Thorrington Weeley Wix Wrabness	650 438 95 316 500 62 776 69 260 33 903 865 204 707 307 340 869 1622 222 596 304 550 196 125	926 2148 1860 1924 352 316 811 879 854 1402 323 373 1155 2135 260 228 780 922 256 236 1647 2140 1974 3022 524 351 2115 1860 680 843 978 950 2276 2048 1857 3055 815 709 1606 1596 689 932 951 1362 665 587 379 293
	11009	24733 30311

TENDRING HUNDRED WATERWORKS COMPANY

DEDHAM WORKS - WATER ANALYSES

Chemical Results in Parts per Million

1971

	Maximum	Minimum
Colour	3 7.8	nil
pH. Flootmia Conductivity	930	7.5
Electric Conductivity	• •	850
Chlorine present as Chloride	140	120
Hardness: Total	300	285
Carbonate	275	255
Non-carbonate	50	10
Nitrate Nitrogen	0.5	0.0
Ammoniacal Nitrogen	0.90	0.26
Albuminoid Nitrogen	0.02	0.00
Metals (Iron)	0.50	0.10
Metals (Zinc, Copper, Lead)	absent	absent
Turbidity	2	nil
Odour	Faint chlorinous	nil
Free Carbon Dioxide	17	8
Total Solids	640	570
Alkalinity as Calcium Carbonate	275	255
Nitrite Nitrogen	less than 0.01	absent
Oxygen Absorbed	0.40	0.00
Residual Chlorine	0.25	nil

BACTERIOLOGICAL RESULTS

Number of Colonies		1 day at 37°C.	2 days at 37°C.	3 days at 20°C
developing on Agar	Minimum	O per ml.	O per ml.	O per ml.
do to to bring our mont	Maximum	O per ml.	6 per ml.	
		Present in	Present from	Probable Number
Presumptive Coliaer	ogenes	<u></u>	2. da V 444	
Reaction		- ml.	100 ml.	O per ml.
Bact. coli (Type I)		- ml.	100 ml.	0 per ml.
Cl. welchii Reactio	n	- ml.	100 ml.	0 per ml.

REMARKS

These samples are practically clear and bright in appearance and have a reaction on the alkaline side of neutrality and are free from metals apart from a minute trace of iron. The water is hard in character but its hardness and its content of mineral and saline constituents in solution are not excessive. It conforms to the highest standard of organic quality and bacterial purity.

These results are indicative of a water which is pure and wholesome in character and suitable for public supply purposes.

All samples were analysed by the Counties Public Health Laboratories.

HOUSING

New houses erected:-

By	Private Ent	erprise 273)
By	the Council	39)

IMPROVEMENT GRANTS

Financial grants were made available to owners for carrying out approved improvement/conversion work to older type houses, including:-

Discretion	nary Grants	20
Standard	Grants	67

SEWERAGE

Northern Area Sewerage Scheme - (Phases 1A and 1B) (Sewering of Manningtree and Mistley).

Work on the intercepting sewer and pumping station at Mistley Quay was commenced in February 1971 and the Sewage Disposal Works at Box Iron Meadow was commenced in August 1971. It is hoped that these two phases of the whole scheme will be completed by the Spring of 1973.

Western Area Sewerage Scheme.

The scheme for the extension of the Sewage Disposal Works was commenced in July 1971, and should be completed in the Spring of 1972.

SANITARY INSPECTION

The following is a summary of the principal inspections and visits made by the Public Health Inspectors during the year and the Notices served:-

I	Total nspections	Notices Informal	Served Formal
Houses unfit	67		
Houses unfit revisits	55		19
Houses with defects	31	16	
Houses with defects revisits		10	
Houses drainage	81	4	
Houses sanitary accommodation		2	
Houses overcrowding	7	_	
Houses verminous or dirty	5		
Improvement grants	587	81	
Water supplies	109	27	
Water samples collected	84		
Schools	4		
Food Premises and Vehicles	101	4	
Bakehouses	14	1	
Factories	4	3 2	
Shops	23		
Camping grounds and caravans	94	4	
Beach huts and shacks	_		
Infectious disease enquiries	19		
Food poisoning enquiries	1		
Refuse tips and deposits	320		
Rats and Mice infestations	10	8	
Polluted rivers and ditches	46	0	
Sewage works	1 2 2	2	
Piggeries Slaughterhouses	356	2	
Nuisances from animals	60	3	
Contractors or owners	00	J	
interviewed	128		
Animal boarding	100		
establishments	10		
Flooding	12	10	
Pop Festival	37		
Searches	46		
Qualification certificates	14		
Abandoned vehicles		9	
Smoke nuisances	43 3	1	
Noise nuisances	24	4	

	Total Inspections	Notices Informal	Served Formal
Civic amenities	14		
Barges	2		
Licensing Act	4	3	
Office, Shops and	Railway		
	Premises 26	2	
Houseboats	6		
Insurance claims	3		
Miscellaneous	256		
		Characteristics.	-
	2,766	187	19

FOOD PREMISES

The following table sets out the number of food premises subject to the Food Hygiene (General) Regulations, 1960, grouped in categories of trade carried on in them and includes the following approximate information for each category separately:-

Type of premises	Number of premises	Number of premises fitted to comply with Reg. 16.	Number of premises to which Reg. 19 applies	Number of premises fitted to comply with Reg. 19.
Cafes and Restaurants	17	17	17	17
General Provisions Shops	108	108	108	108
Bakery Shops	10	10	10	10
Butchers Shops	20	20	20	20
School Kitchens	25	25	25	25
Wholesale Grocers	1	1	1	1
Public Houses	52	52	52	52
Ice Cream Kiosks	1	1	1	1

OFFICES, SHOPS AND RAILWAY PREMISES ACT, 1963.

Registrations and General Inspections

Class of premises	prem newl regi	istered ing the	Total number of registered premises at end of year	Number of registered premises receiving one or more general inspection
(1)	((2)	(3)	during the year (4)
Offices Retail shops		1 5	43 80	3 15
Wholesale shops, warehou Catering establishments open to the public, cant Fuel storage depots		2	17 4	- 7 1
Totals:		8	148	26

Number of visits of all kinds (including General Inspections) to Registered Premises ... 74

Analysis by workplace of persons employed in Registered Premises at end of year

Class of workplace	No. of persons employed (2)
Offices Retail Shops Wholesale departments, warehouses Catering establishments open to the Canteens Fuel storage depots	419 196 29 public 73 .9
Total: Total Males Total Females	737 409 328

There were no accidents reported during the year and all contraventions of the provisions of the Act and regulations made thereunder were remedied by informal action.

FACTORIES

FACTORIES ACT, 1961

PART I OF THE ACT

1. Inspections for purposes of provisions as to health.

Premises	Number on Register (2)		er of Written Notices (4)	Occupiers prosecuted (5)
i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	· 5	. 1	_	
ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	87	17	3	
iii) Other premises in which Section 7 is enforced by the Local Authority (excluding outworkers' premises)		_		
Totals:	92	18	3	

2. Cases in which defects were found.

	Number of cases in which defects were found				Number of cases in
Particulars	Referred			which	
	Found	Reme- died	To H.M. Inspec-	By H.M. Inspec-	, -
(1)	(2)	(3)	tor (4)	tor (5)	instituted (6)
Want of Cleanliness (S.1)	2	2	-	_	_
Overcrowding (S.2.)	-	-	-	_	
Unreasonable temperature (5.4.)		-	-		_
Inadequate ventilation (S.5.)	_				_
Ineffective drainage of floors (S.6.)		-	-		_
Conveniences (S.7.) (a)					
Unsufficient (b) Unsuitable	-		_	-	_
or defective	1	1	-	_	-
(c) not separate for sexes	-	_			-
Other offences against the Act (not including offences relating to outwork)					
Totals:	3	3	degallitir - allegia dii villa di digili di malala di processione.	_	-

PART VIII OF THE ACT SECTIONS 133 and 134

Section 133 Section 134						
	Section 134					
	Number of Number of Number of Outworkers cases of prosecu-					
Nature of work (1)	in August list re- quired by Section 110 (1) (c) (2)	default in sending lists to the Council (3)	tions for failure to supply lists	work in unwholesome premises		
Wearing Apparel Making etc.	8		-	-		

The premises were inspected and found to be in a satisfactory condition.



